



SUPERIOR No. 100



ACTIVATED ROSIN FLUX, TYPE RA

- ◆ An activated rosin flux for soldering PCB's, wire, cable, and semiconductors.
- ◆ Excellent for a variety of metals including copper, gold, nickel alloys, silver, and tin.
- ◆ Can be used for wave, dip, drag, and hand dipping operations.

DESCRIPTION

Superior No. 100 RA Flux consists of a homogenous solution of WW rosin in a multi-component solvent system with a chloride activator. It is used in electronics applications requiring high soldering activity. The flux becomes active above 175°C/340°F, attaining peak activity in the temperature range 200-260°C/390-500°F. For applications, such as mag-wire tinning, **Superior No. 100** is an excellent flux for temperatures as high as 400°C/750°F.

APPLICATIONS

Superior No. 100 RA Flux is an excellent choice for soldering printed circuit boards (PCBs), wire leads, cables, and for component tinning. **Superior No. 100 RA Flux** can be used to solder many different metals and alloys including copper, gold, alloy 42, alloy 51, nickel alloys, and other metals commonly used in electronics applications.

PHYSICAL PROPERTIES

Form	Brown Liquid
Specific Gravity	0.89 ± 0.02 @ 20-25°C/68-77°F
Density	7.4 lbs./gallon @ 20°C/68°F
Solids Content	42.0 ± 2.0%
Chloride Content	1.2%
Inorganic Cations	None
Soldering Range	200-260°C/390-500°F
Spread Factor	100 minimum
Flash Point (TCC.)	12°C/53°F
Boiling Point	85°C/180°F
Freezing Effects	None
Water Extract Resistivity	6700 ohm/cm

SPECIFICATIONS

Superior No. 100 RA Flux meets all the requirements of Mil-F-14256, Type RA.

Superior manufactures quality fluxes. Our business is solving problems.



DIRECTIONS

Superior No. 100 RA Flux can be applied by foaming, brushing, dipping, rolling and spraying. Soldering need not be carried out immediately after fluxing. The residues are non-corrosive and non-conductive on parts whose temperature does not exceed 60°C/140°F. If the temperature of the soldered parts is to exceed 60°C/140°F, then the flux should be washed after soldering. For aqueous cleaning process, add Superior SyberKleen 2000 Saponifier for flux removal. Additional cleaning processes include vapor-degreasing methods with appropriate HFC and HCFC solvent systems.

The specific gravity of the flux increases with prolonged use as the solvents evaporate. It can be restored to the recommended value by adding **Superior No. 96T Flux Thinner** to the flux and mixing thoroughly.

SAFETY PRECAUTIONS

Superior No. 100 RA Flux is flammable and should be stored in plastic containers away from heat, sparks or an open flame. Use adequate ventilation to remove flux fumes, along with fumes from the soldering station. Avoid contact with skin and eyes and avoid breathing vapors. Flux has a two (2) year shelf life.

A Material Safety Data Sheet (MSDS) is available on request.

The information contained herein is based on data considered to be accurate and is intended for use by persons having technical skills at their own discretion and risk. Since conditions of use are outside of Superior Flux & Mfg. Co.'s control, we cannot assume liability for results obtained or damage incurred due to misuse, nor can we assume customer liability.

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**Superior Flux
& Mfg. Co.**

6615 Parkland Blvd. • Cleveland, OH 44139 • Phone: 440-349-3000 • Fax: 440-349-3003
www.superiorflux.com • e-mail: info@superiorflux.com